



Australian Government

CPCCRT3006 Fix shingles to roofs and facades

Release: 3

CPCCR3006 Fix shingles to roofs and facades

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Performance Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and equivalent to CPCCR3006B Fix shingles to roofs and facades.
Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to fix timber shingles or shakes to provide a waterproof covering to roofs, walls and facades.

It includes preparation, installation and finishing of the covered surface.

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Unit Sector

Roof tiling

Elements and Performance Criteria

Elements describe the Performance criteria describe what needs to be done to

essential outcomes.	demonstrate achievement of the element.
1 Plan and prepare to fix shingles to roofs and facades.	1.1 Read and interpret work instructions and plan sequence of work. 1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements. 1.3 Select and use personal protective equipment (PPE) for each stage of the task. 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. 1.5 Select tools and equipment, check for serviceability and report any faults. 1.6 Select materials required for task, calculate quantities, handle safely, and prepare and position ready for use.
2 Prepare roof face.	2.1 Check that fall safety devices have been installed correctly. 2.2 Handle, assemble and erect elevator at job location. 2.3 Set out roof surface, board/batten, sark and strike. 2.4 Check roof surface and structure for stability and for safe access to roof.
3 Install shingles/shakes.	3.1 Load, support and distribute shingles/shakes evenly on roof. 3.2 Lay sarking below initial course of shingles/shakes. 3.3 Fix shingles/shakes in line, with spacing and guttering overhang. 3.4 Lay subsequent courses with sarking and shingles. 3.5 Maintain staggered joints and bonds with overlapping shingles/shakes.

- 3.6 Split shingles/shakes and cut to form junctions with walls or roof surfaces.
 - 3.7 Finish valleys.
 - 3.8 Finish gable ends to line and overhang.
- 4 Finish hips and ridges.
 - 4.1 Select same-size shingles/shakes for hips and ridges.
 - 4.2 Bevel-cut edges of shingles/shakes to provide butt joints in capping sections.
 - 4.3 Cover, fix and finish hips and ridges to line.
- 5 Clad walls and facades.
 - 5.1 Select method of finishing shingles/shakes on wall or facade.
 - 5.2 Sheet and fix sheathed surfaces to framework.
 - 5.3 Set out wall or facade spacing for battens and exposure of shingles/shakes.
 - 5.4 Fit sarking and shingles/shakes.
 - 5.5 Construct junctions at corners to finishes.
 - 5.6 Finish flashings.
- 6 Clean up.
 - 6.1 Clear work area and dispose of materials, and reuse or recycle materials in accordance with legislation, regulations, codes of practice.
 - 6.2 Clean, check, maintain and store tools and equipment in accordance with manufacturers' specifications.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCR3006B Fix shingles to roofs and facades.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCR3006 Fix shingles to roofs and facades

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Performance Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and equivalent to CPCCR3006B Fix shingles to roofs and facades.
Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by fixing shingles and/or shakes to:

- a roof frame, incorporating:
 - setting out, boarding and/or battening, sarking and striking
 - a 1.5 metre hip
 - a 1.5 metre valley
 - a 1.5 metre gable
 - a 1.5 metre top ridge
- an external wall of minimum 1 square metre, incorporating:
 - an internal corner with flashing
 - sarking, battening and finishing.

All work must be performed to the standard required in the workplace and must comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of the NCC and Australian Standards for fixing shingles to roofs and facades
- workplace quality policies and standards for fixing shingles to roofs and facades

- safety requirements for fixing shingles to roofs and facades, including:
 - job safety analyses and/or safe work method statements in accordance with Safe Work Australia *Code of Practice for Construction Work* or state and/or territory equivalent
 - safety data sheets (SDS)
 - personal protective equipment (PPE)
- environmental requirements for fixing shingles to roofs and facades
- characteristics and applications of shingle/shake materials:
 - shingles/shakes:
 - terracotta
 - timber
 - timber shingles/shakes:
 - straight split
 - taper split
 - hand split
 - re-sawn
- processes for installation of roof battens, sarking and flashing:
 - preparation for shingles/shakes on roof surfaces:
 - battened/boarded and sarked
 - boarded, counter battened and sarked
- types and uses of materials storage and environmentally friendly waste management
- measuring and marking for fixing shingles to roofs and facades
- types and uses of plans, drawings and specifications for fixing shingles to roofs and facades
- types and uses of tools for fixing shingles to roofs and facades
- processes for the calculation of material requirements for fixing shingles to roofs and facades
- quality requirements for fixing shingles to roofs and facades
- types and uses of roof and facade construction systems and structures and shingling considerations:
 - hip finishes:
 - mitred
 - lead
 - ridge
 - metal
 - bonnet
 - roof protrusions:
 - chimneys
 - dormer windows
 - two storey insert
 - skylights
 - pipes and flues

- roof ventilators
- cupolas
 - joining at wall corners:
 - butted against boards
 - laced with flashing behind for internal
 - butted against timber stop for both external and internal
- roof and facade shingling techniques and procedures.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>